

CLAIMS

What is claimed is:

1. A method for adhering a film to a heat transfer component comprising the steps of:
  - applying a layer of ethylene terpolymer including an organosilicone functional group to said heat transfer component;
  - applying said film to said layer of ethylene terpolymer; and
  - curing said layer of ethylene terpolymer to adhere said film to said heat transfer component.
2. The method as recited in claim 1 wherein the step of applying said layer of ethylene terpolymer includes application by a roller.
3. The method as recited in claim 1 wherein said film is polypropylene.
4. The method as recited in claim 3 wherein the step of curing said layer of ethylene terpolymer includes adding water to said layer of ethylene terpolymer to cross-link said organosilicone functional groups.
5. The method as recited in claim 4 wherein said water is contained in said film.
6. The method as recited in claim 4 wherein said water is applied to said heat transfer component.
7. The method as recited in claim 4 wherein said water is applied to said film.
8. The method as recited in claim 1 wherein said film is polar to encourage adhesion of said water to and said film to encourage adhesion between said film and said heat transfer component.

9. The method as recited in claim 1 wherein said heat transfer component is a condensing heat exchanger.

10. A heat transfer component of a condensing furnace system comprising:
  - a metal surface;
  - a film adhered to said metal surface; and
  - a cured layer of ethylene terpolymer including an organosilicone functional group to adhere said film to said metal surface.
11. The heat transfer component as recited in claim 10 wherein said layer of ethylene terpolymer is cured by water to cross-links said organosilicone functional groups.

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